



Boring Crew: Emerson, Judkins, Olden		Type:	Casing	Sampler	Groundwater Observations		
Date Started: 2/14/17	Date Finished: 2/22/17	I.D.:	WB	SS	Date	Depth (ft)	Notes
VTSPG NAD83: N 276993.09 ft E 1618794.70 ft		Hammer Wt:	N.A.	140 lb.	02/15/17	11.7	W.T. before drilling
Station: 678+5.87	Offset: 9.28	Hammer Fall:	N.A.	30 in.	02/16/17	12.0	W.T. before drilling
Ground Elevation: 571.16 ft		Hammer/Rod Type:	Auto/AWJ		02/21/17	10.7	W.T. before drilling
		Rig:	CME 55 TRACK	CE = 1.41			

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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Dill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, GrSa, brn, Dry, Rec. = 1.3 ft, Lab Note: Sticks and pieces of wood were within sample Field Note:, No Recovery				22-12-3-4 (15)	22.3	40.5	45.0	14.5
5		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft				5-8-12-8 (20)	7.3	42.8	47.3	9.9
		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample Field Note:, Rollercone, Cleaned out casing				11-5-4-4 (9)	11.8	13.3	64.0	22.7
10		A-2-4, GrSa, brn, Moist, Rec. = 0.5 ft Field Note:, NXDC, Cleaned out casing				11-11-7-3 (18)	21.2	21.0	67.7	11.3
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample Field Note:, NXDC, Cleaned out casing				2-3-4-8 (16)	11.9	43.9	48.5	7.6
15		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken and weathered rock was within sample Field Note:, NXDC, Cleaned out casing				18-20-38-23 (58)	11.1	54.2	37.0	8.8
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample Field Note:, NXDC, Cleaned out casing				17-22-25-14 (47)	11.5	52.1	39.5	8.4
20		A-1-b, SaGr, brn, Moist, Rec. = 0.9 ft Field Note:, NXDC, Cleaned out casing Field Note:, No Recovery Field Note:, NXDC, Cleaned out casing				13-28-12-17 (40)	10.0	51.4	37.2	11.4
		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft				R@2.5" (R)	10.9	42.1	43.7	14.2
25		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft Field Note:, NXDC, Cleaned out casing				17-12-15-16 (27)	10.9	42.1	43.7	14.2
		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft				13-17-28-36 (45)	10.8	52.0	36.6	11.4
30		Field Note:, Cleaned out casing A-3, Sa, brn, Moist, Rec. = 1.1 ft				17-20-13-10 (33)	19.8	12.6	80.7	6.7
35		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft				8-8-8-9 (16)	16.7	27.1	63.3	9.6
40		A-3, Sa, brn, Moist, Rec. = 0.7 ft				5-7-6-8 (13)	23.3	0.6	90.9	8.5
45		A-1-b, GrSa, brn, Wet, Rec. = 0.9 ft				6-6-7-8 (13)	18.1	29.4	62.5	8.1

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Dill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SaGr, brn, Wet, Rec. = 1.0 ft				7-13-5-13 (18)	14.7	53.4	38.9	7.7
55										
60										
65										
70		Field Note:, NXDC, Cleaned out casing, probable boulders								
75		Field Note:, NXDC, Cleaned out casing								
80		78.3 ft - 83.3 ft, Whitish-gray, Muscovite-biotite-quartz-plagioclase GNEISS, with faint tan staining along joints. Hard, Very slightly weathered, Good rock, NX, RMR=66	1 (50)	100 (78)	7	7				
85		83.3 ft - 88.3 ft, Whitish-gray, Muscovite-biotite-quartz-plagioclase GNEISS, with vertical fracture from 83.3 feet to 84.0 feet. Minor rust staining along joints and fracture. Hard, Very slightly weathered, Good rock, NX, RMR=61	2 (50-55)	100 (80)	3	3				
90		Hole stopped @ 88.3 ft								
95		Remarks: Hole collapsed at 13.0 feet 1. Water table before drilling on 2/17/2017 observed at 12.0 feet.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. <<SUB>><<SUB>> is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

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BORING LOG 2 CHESTER GMRC(11) GPJ VERMONT AOT.GDT 3/10/17